

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

| FIXTURE SCHEDULE | | | | | | | | |
|------------------|----------------------------------|----------------------|-------|--------|-----------|------------|-----|--|
| ITEM | FIXTURE | ROUGH-IN CONNECTIONS | | | | | | DESCRIPTION |
| | | TRAP | WASTE | VENT | HOT WATER | COLD WATER | GAS | |
| S=1 | SINK (ACCESSIBLE, CW & HW) | 1-1/4" | 2" | 1-1/2" | 1/2" | 1/2" | -- | KOHLER NO. K-2006, "KINGSTON", 20"x18" WALL HUNG GRID STRAINER W/ TAILPIECE 1-1/4", TUBULAR P-TRAP 1-1/4" X 1-1/2", COMPLETE WITH CHICAGO NO. 786-E3ABCP FAUCET, CHICAGO NO. 1017-ABCP LOOSE KEY STOP WITH RIGID SUPPLY, MOUNT AT ADA ACCESSIBLE HEIGHT. |
| S=2 | UTILITY SINK (CW & HW) | 3" | 3" | 1-1/2" | 1/2" | 1/2" | -- | ELKAY NO. ESS82520C, COMPLETE WITH CHICAGO NO. 445-ABCP SPOUT WITH 1.5 GPM LAMINAR FLOW INSERT, McGUIRE NO. 152 1-1/2" OUTLET "WIDE TOP SINK STRAINER", WITH TRAP. |

| SHEET TITLE INDEX | |
|-------------------|------------------------------|
| SHEET NUMBER | SHEET TITLE |
| PE-001 | PLUMBING SCHEDULES AND NOTES |
| PE-102 | PLUMBING REMODEL FLOOR PLAN |

GENERAL NOTES

- 1

BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING, AND SHALL IMMEDIATELY NOTIFY THE OWNER OF ANY DISCREPANCIES.
- 2

ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
- 3

CONNECTION BETWEEN INCOMPATIBLE MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO (2) DIELECTRIC UNIONS SEPARATED BY A TWELVE INCH (12") SECTION OF RED BRASS PIPE.
- 4

ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH EXISTING ELECTRICAL AND EXISTING MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING. IN ADDITION, AVOID INTERFERENCE WITH NEW MECHANICAL AND ELECTRICAL SYSTEMS.
- 5

ALL WORK AND MATERIAL SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH CALIFORNIA PLUMBING CODE 2010.
- 6

ALL EQUIPMENT SHALL BE Laterally SUPPORTED IN ALL DIRECTIONS TO RESIST A MIN. OF 20% OF THE EQUIPMENT'S OPERATING WEIGHT.
- 7

TRAPS FOR ALL LAVATORIES AND SINKS SHALL TRAP STRAIGHT BACK TO WALL WITH ALL REQUIRED OFFSETS HAPPENING WITHIN THE WALL.
- 8

ALL INDIRECT WASTE PIPING SHALL BE SLOPED TO AND TERMINATE AT AN APPROVED RECEPTOR OR CONNECTION.
- 9

ALL HOT WATER PIPING INSULATION SHALL BE IN ACCORDANCE WITH SECTION 2-5311, TABLE 2-53E OF THE TITLE 24 REGULATIONS.
- 10

ALL PLUMBING FIXTURES AND EQUIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA STATE ENERGY COMMISSION TO COMPLY WITH EFFICIENCY STANDARDS PER SECTION 2-5314(A) OF THE TITLE-24 REGULATIONS.
- 11

ALL CONNECTIONS TO EXISTING SERVICES SHALL BE MADE SUCH THAT INTERRUPTION TIME WILL BE AS SHORT AS POSSIBLE. THE CONTRACTOR SHALL GIVE THE OWNER'S REPRESENTATIVE SUFFICIENT NOTICE OF SUCH INTERRUPTION AND THE ACTUAL SHUT DOWN TIME SHALL BE AT A TIME DESIGNATED BY THE OWNER'S REPRESENTATIVE.
- 12

ALL EXISTING PIPING AND EQUIPMENT THAT IS REMOVED SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 13

ALL WORK AND MATERIAL SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE INSPECTING AUTHORITY. NOTHING IN THESE DRAWINGS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHERS APPLICABLE TO THIS PROJECT.

CALIFORNIA PLUMBING CODE

CALIFORNIA BUILDING CODE

CALIFORNIA MECHANICAL CODE

NATIONAL ELECTRICAL CODE

CALIFORNIA CODE OF REGULATIONS

TITLE 24
- 14

ALL PLUMBING WORK SHALL COMPLY WITH T24 PART 5 CPC-2010
- 15

ALL BRACING OF PIPING SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES AS APPROVED BY OSHPD.
- 16

CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS SET FORTH IN THE UNITED STATES DEPARTMENT OF VETERAN AFFAIRS TIL MASTER CONSTRUCTION SPECIFICATIONS. CONTRACTOR SHALL VISIT THE VA WEBSITE AND DOWNLOAD ALL APPLICABLE SPECIFICATION SECTIONS PRIOR TO BID. WHERE CONFLICT OCCUR BETWEEN THESE DRAWINGS AND THE DOWNLOADED MASTER SPECIFICATIONS, THE MOST STRINGENT REQUIREMENTS SHALL APPLY. (TYPICAL ALL SHEETS)

MATERIALS

- 1

SANITARY SOIL WASTE AND VENT SYSTEMS ABV GRADE: PIPING WITHIN THE BUILDING ITSELF AND OUTSIDE WITHIN FIVE FEET (5') OF THE FOUNDATION, SHALL BE NO-HUB CAST IRON SERVICE WEIGHT PIPE AND FITTINGS, ASPHALTUM COATED, FREE FROM DEFECTS, AND SHALL COMPLY WITH C.I.S.P.I. STANDARD 301. FITTINGS SHALL BE MADE UP WITH STANDARD STAINLESS STEEL NO-HUB COUPLINGS AND SHALL COMPLY WITH C.I.S.P.I. STANDARD 310.
- 2

WATER PIPING WITHIN THE BUILDING AND ABOVE GRADE SHALL BE TYPE "M" ASTM B88, HARD DRAWN COPPER TUBING WITH WROUGHT COPPER SWEAT FITTINGS ANSI B16.22 WITH 95-5 SILVER SOLDER.
- 3

INDIRECT AND CONDENSATE DRAINS SHALL BE TYPE "M" ASTM B88, HARD DRAWN COPPER TUBING WITH WROUGHT COPPER SWEAT FITTINGS ANSI B16.22 WITH 95-5 SILVER SOLDIER.
- 4

INSULATION: ALL HOT WATER PIPING SHALL BE INSULATED WITH "PPG" INDUSTRIES, CERTAIN-TEED SAINT GOBAIN SNAP-ON OR JOHNS-MANVILLE MICRO-LOC AIR, AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH "IMCOA" IMCOLOOK CLOSED-CELL PIPE INSULATION.
- 5

VALVES: GATE VALVES 1-1/2" AND SMALLER SHALL BE NIBCO NO. T-113-LF, GATE VALVES 2" TO 3" SHALL BE NIBCO NO. F-607-RW OS&Y, BALL VALVES 2" AND SMALLER SHALL BE NIBCO NO. T-685-66-LF.
- 6

BEFORE ANY USE OF SYSTEM IS MADE FOR DOMESTIC PURPOSES, IT SHALL BE STERILIZED BY SLOWLY FILLING WITH WATER TO WHICH A STERILIZING AGENT HAS BEEN APPLIED, AT A RATE GIVING 50 PPM OF CHLORINE, AS DETERMINED BY RESIDUAL CHLORINE TEST AT EXTREMITIES OF THE LINE. AFTER LINES HAVE BEEN FILLED FOR A PERIOD OF THREE (3) HOURS, TESTS FOR RESIDUAL CHLORINE SHALL SHOW NOT LESS THAN 50 PPM. IF LESS THAN 50 PPM IS INDICATED, DRAIN OR FLUSH OUT THE LINE AND REPEAT STERILIZATION TREATMENT UNTIL TESTS INDICATE AT LEAST 50 PPM OF RESIDUAL CHLORINE AFTER THREE (3) HOURS. THE LINES SHALL BE FLUSHED UNTIL ALL TRACES OF CHEMICAL HAVE BEEN REMOVED.
- 7

ALL HW, CW, AND INDIRECT WASTE PIPING SHALL BE LABELED WITH ADHESIVE DECALS CLEARLY IDENTIFY EACH SYSTEM.

LEGEND

| SYMBOL | ABBREVIATION | DESCRIPTION |
|--------|--------------|---|
| | S OR W | SOIL OR WASTE BELOW FLOOR OR GRADE |
| | V | SANITARY VENT |
| | S OR W | EXISTING TO REMAIN SOIL OR WASTE BELOW FLOOR OR GRADE |
| | CW | COLD WATER |
| | HW | HOT WATER |
| | CD | CONDENSATE DRAIN |
| | OCD | OVERFLOW CONDENSATE DRAIN |
| | SOV | SHUT-OFF VALVE |
| | ECW | EXISTING COLD WATER |
| | EHW | EXISTING HOT WATER |
| | | RISER UP |
| | | RISER DOWN |
| | ABV | ABOVE |
| | BEL | BELOW |
| | CLG | CEILING |
| | DN | DOWN |
| | POC | POINT OF CONNECTION |
| | VTR | VENT THRU ROOF |

| <table><tr><th>Number</th><th>Revisions</th><th>Date</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table> | Number | Revisions | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | CONTRACTOR: <div> </div> | <div> </div> | ARCHITECT/ENGINEERS: <div></div> | <table><tr><td colspan="2">Drawing Title</td><td colspan="2">Project Title</td><td colspan="2">Project Number</td></tr><tr><td colspan="2">PLUMBING SCHEDULES AND NOTES</td><td colspan="2">BN REMODEL - LOGISTICS SWING SPACE VA SAN DIEGO, BUILDING 1</td><td colspan="2">664-13-304</td></tr><tr><td colspan="2">Approved Project Director</td><td colspan="2">Location</td><td colspan="2">Drawing Number</td></tr><tr><td colspan="2"> </td><td colspan="2">SAN DIEGO, CA</td><td colspan="2">PE-001</td></tr><tr><td colspan="2"> </td><td>Date</td><td>Checked</td><td>Drawn</td><td>Dwg. 1 of 2</td></tr><tr><td colspan="2"> </td><td>12.15.2013</td><td>EM</td><td>EM</td><td> </td></tr></table> | Drawing Title | | Project Title | | Project Number | | PLUMBING SCHEDULES AND NOTES | | BN REMODEL - LOGISTICS SWING SPACE VA SAN DIEGO, BUILDING 1 | | 664-13-304 | | Approved Project Director | | Location | | Drawing Number | | | | SAN DIEGO, CA | | PE-001 | | | | Date | Checked | Drawn | Dwg. 1 of 2 | | | 12.15.2013 | EM | EM | |
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| Number | Revisions | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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